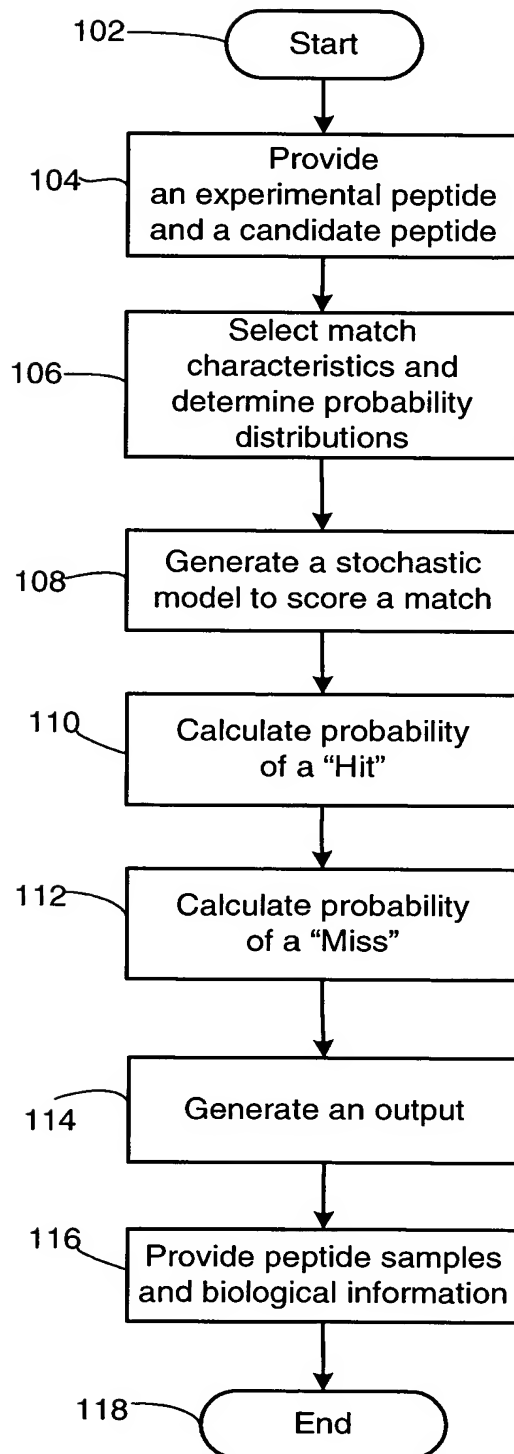


Figure 1

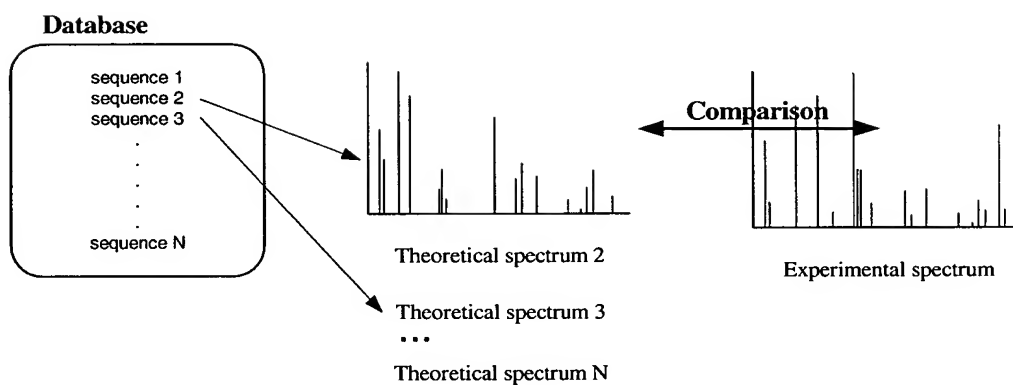


**"SYSTEM AND METHOD FOR SCORING PEPTIDE MATCHES"**

Applicant: Jacques COLINGE et al.

U.S. Application No: Not yet assigned.

Attorney Docket No.: 62679.000004



**Figure 2a:** database search

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
 MATCHES"  
 Applicant: Jacques COLINGE et al.  
 U.S. Application No: Not yet assigned.  
 Attorney Docket No.: 62679.000004

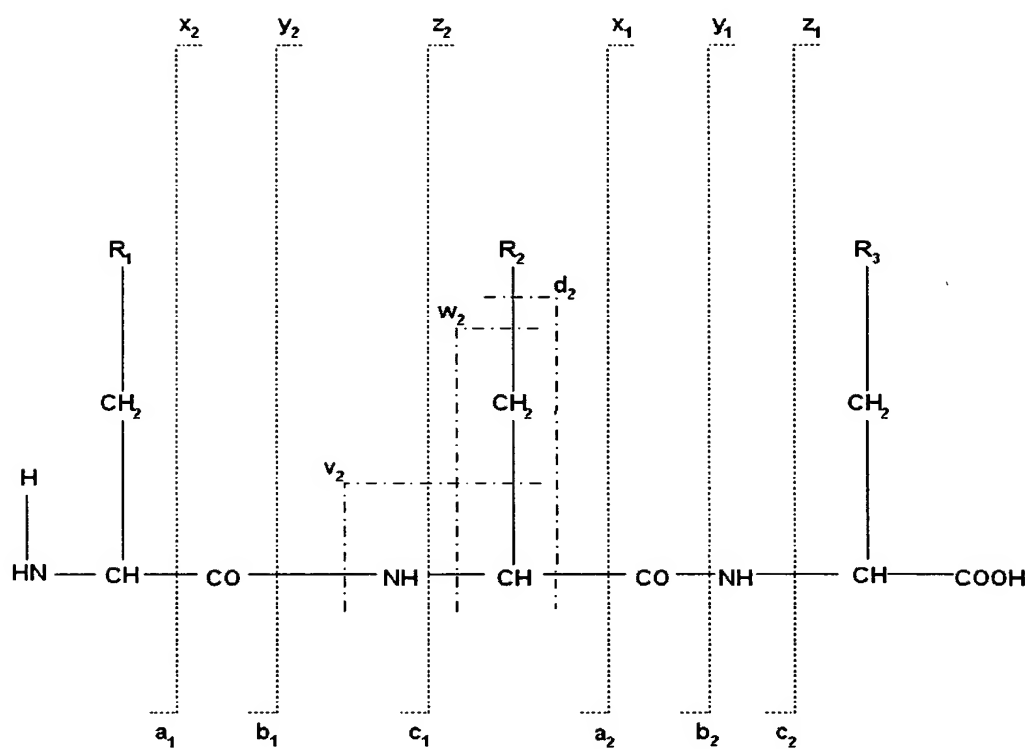


Figure 2b

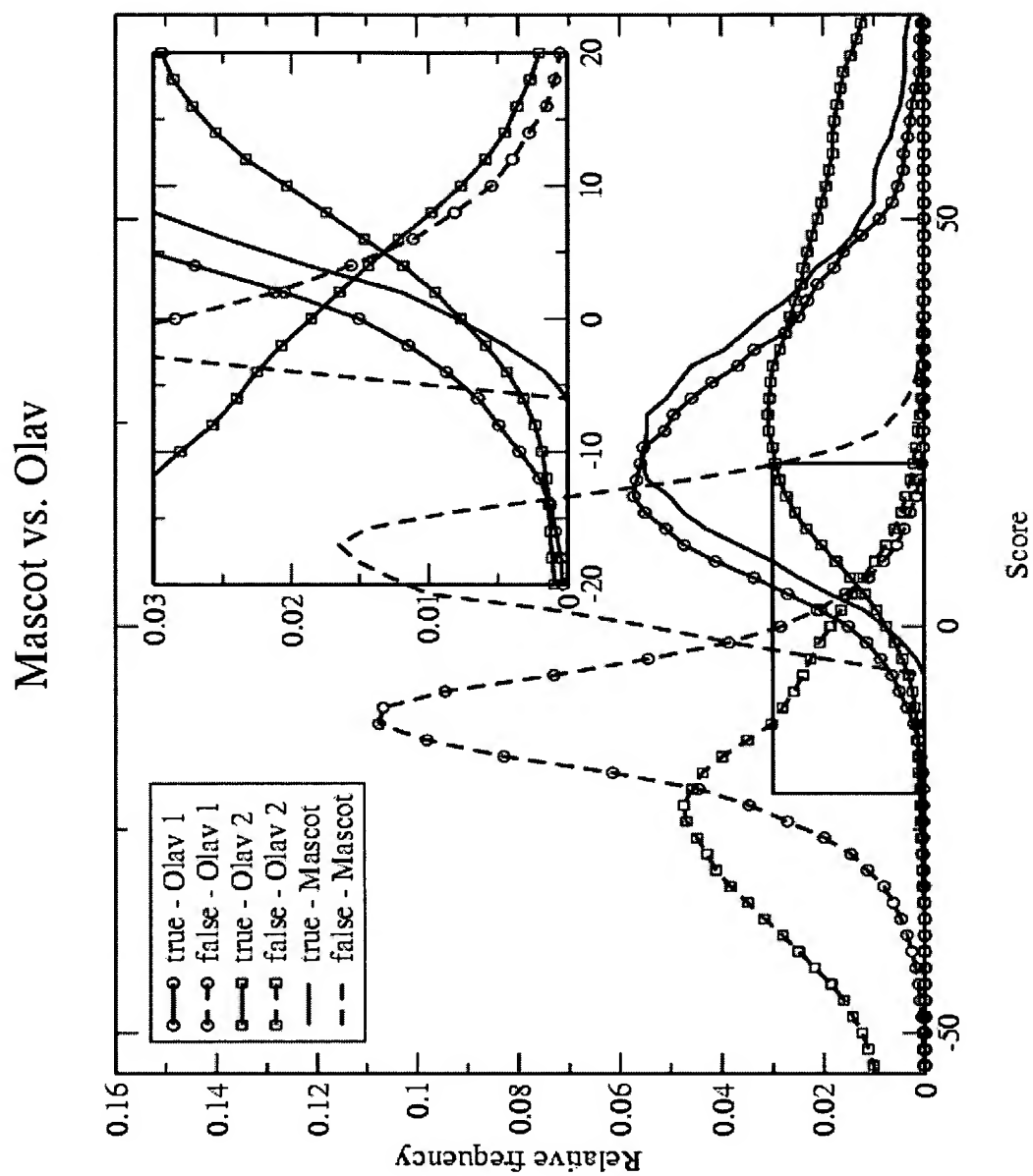


Figure 3

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"  
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

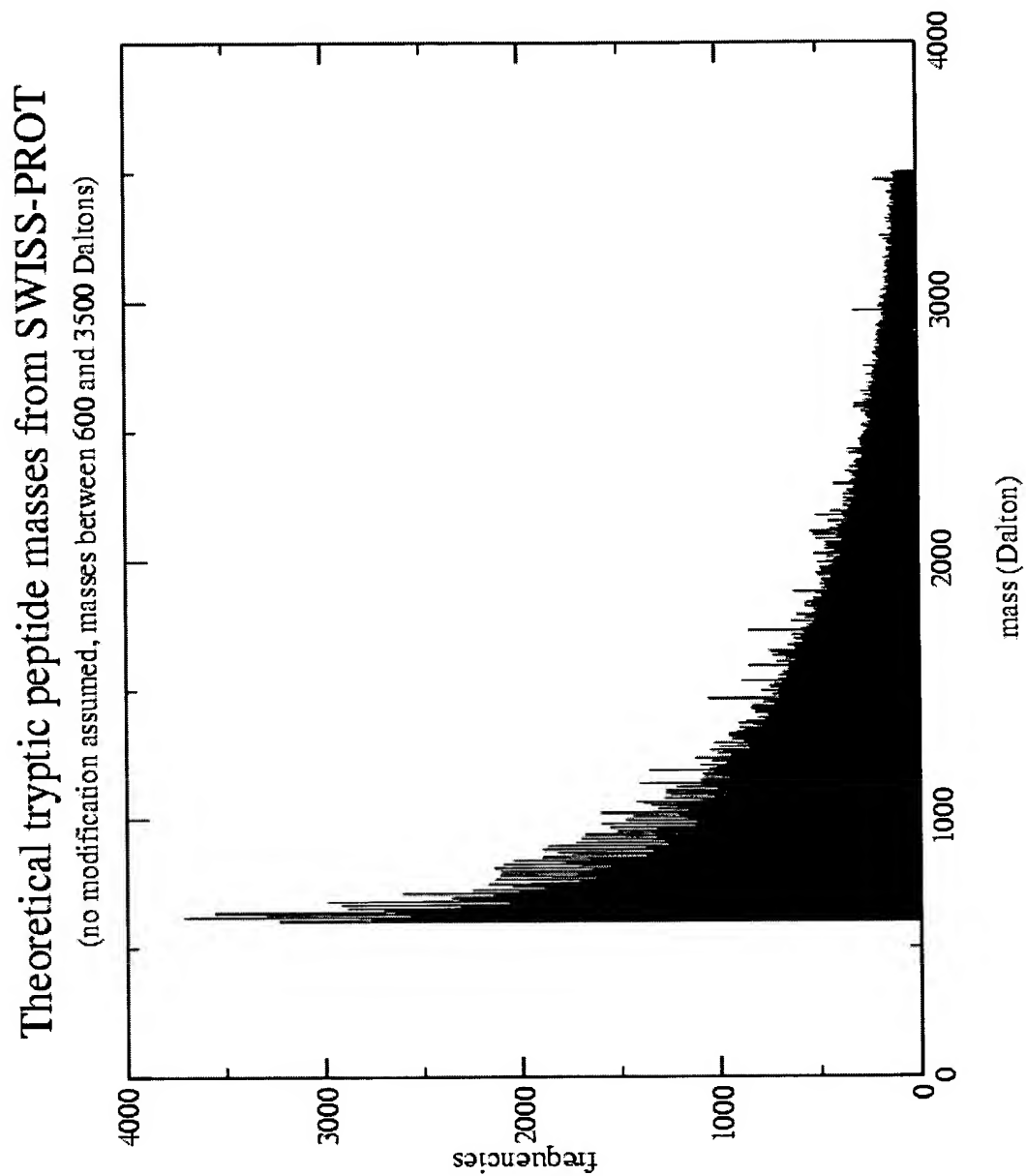


Figure 4

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"  
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

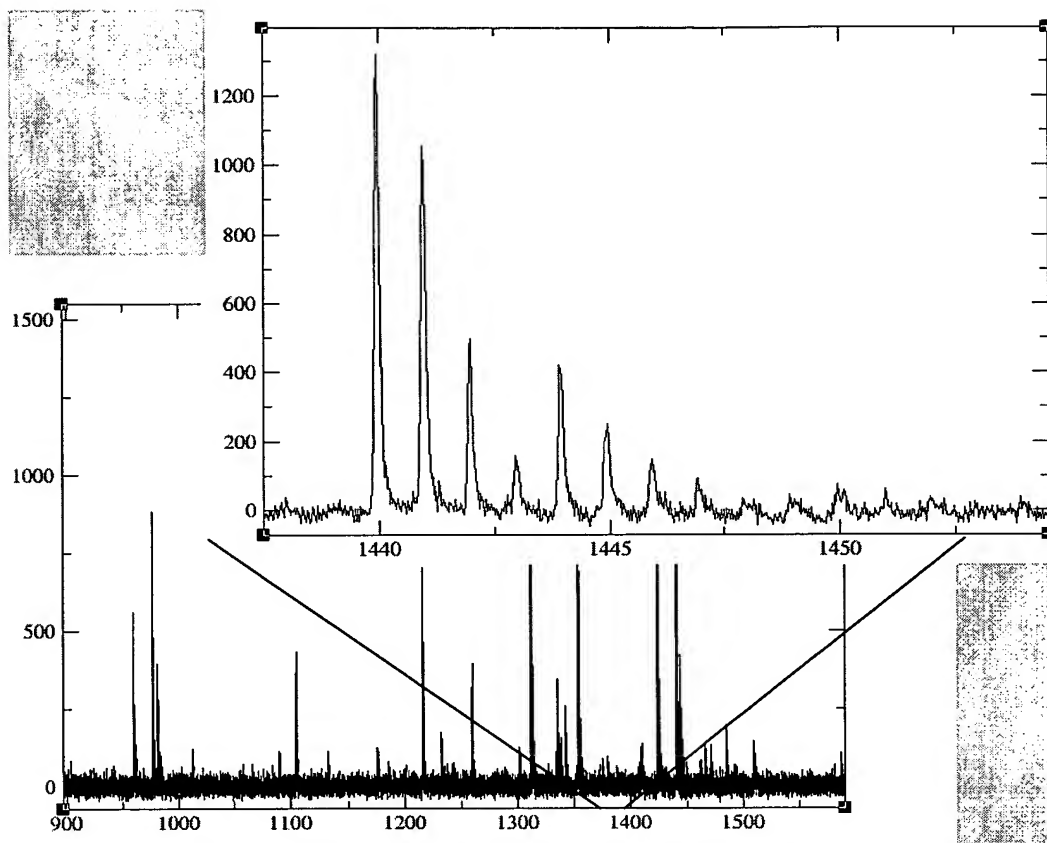


FIG 5A

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"

Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

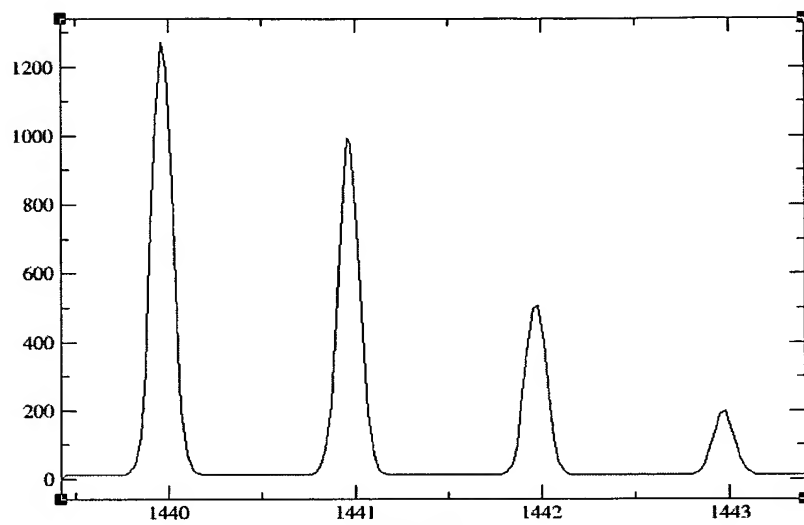


FIG 5B

Dancik et al. vs Olav

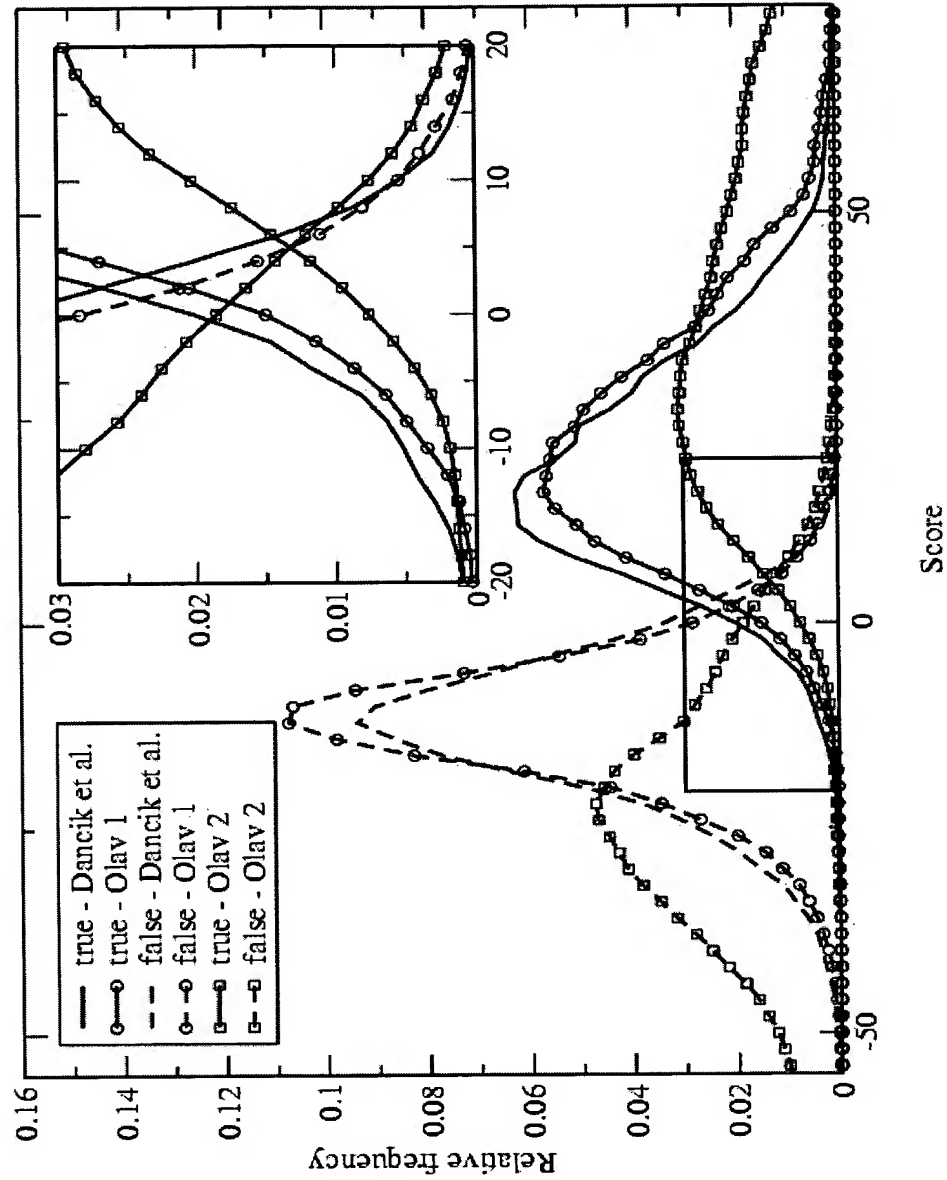


Figure 6



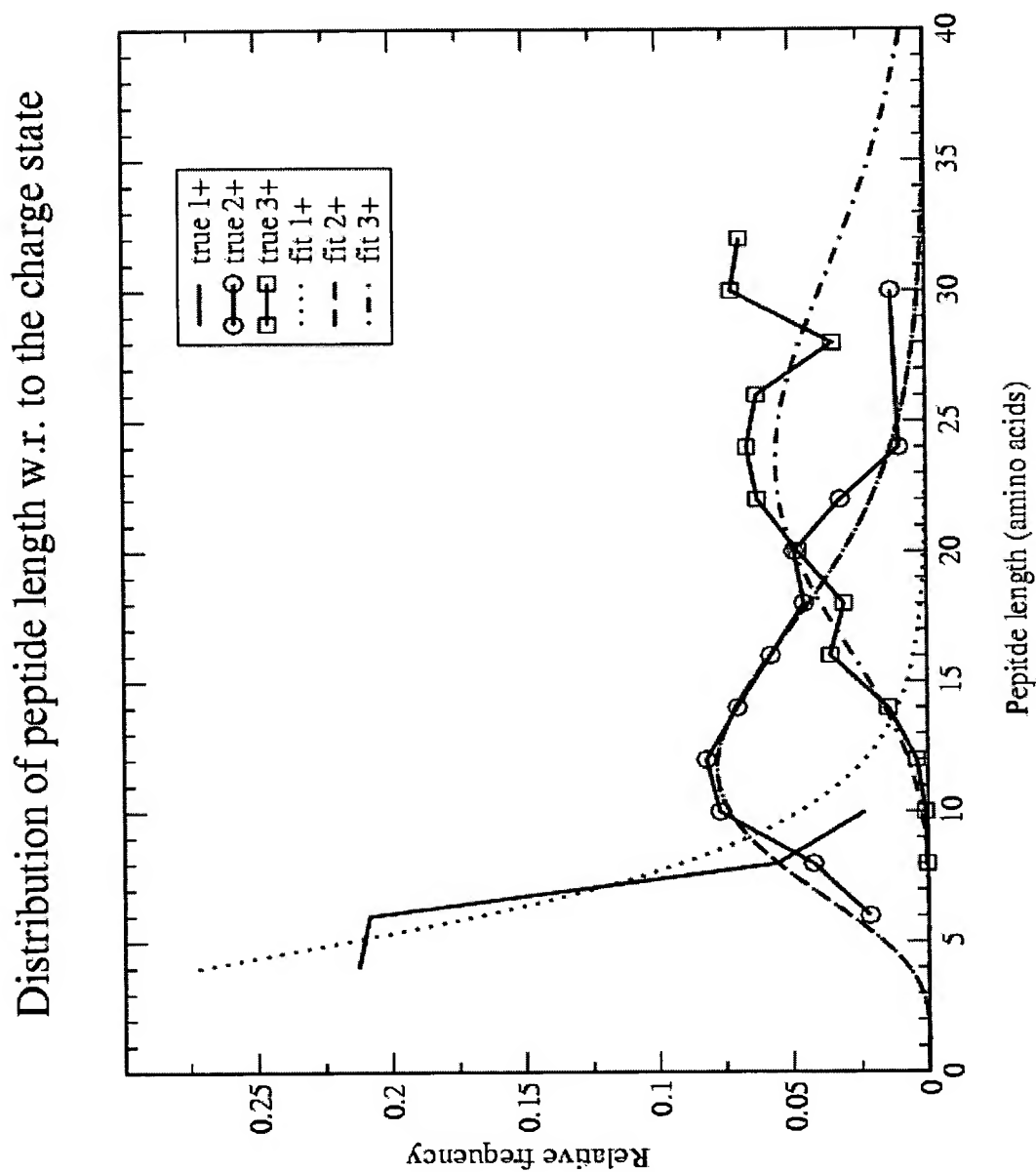
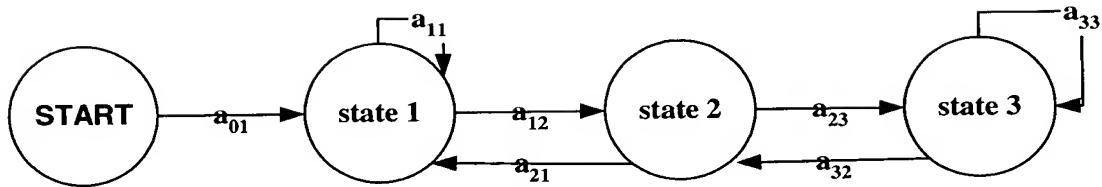


Figure 7

**"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"**

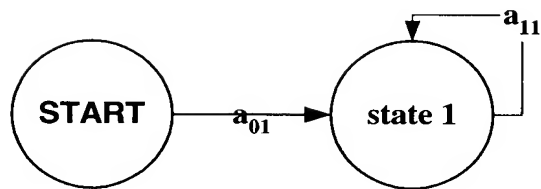
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004



**Figure 8**

**"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"**

Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004



**Figure 9:** Null model.
























































































































































































































|                    |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|
| $\alpha$           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\alpha++$         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\alpha-H20\times$ |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                    | +   | +   | +   | +   | +   | +   |   |    |    |     |      |      |      |      |      |      |
|                    | +   | +   | +   | +   | +   | +   | +   | +   | +   |  |      |      |      |      |      |      |
| $\alpha-NH3\times$ | +   | +   | +   | +   | +   | +   | +   | +   | +   | +  | +   | +   |      |      |      |      |
|                    | +   | +   | +   | +   | +   | +   | +   | +   | +   | +  | +   | +   | +   | +   | +   |      |
| $b$                |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $b++$              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| $b-H20\times$      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    | +   | +   | +   | +   | +   | +   |   |  |  |   |    |    |    |    |    |    |
|                    | +   | +   | +   | +   | +   | +   | +   | +   | +   | +  |    |    |    |    |    |    |
| $b-NH3\times$      | +   | +   | +   | +   | +   | +   | +   | +   | +   | +  | +   | +   |    |    |    |    |
|                    | +   | +   | +   | +   | +   | +   | +   | +   | +   | +  | +   | +   | +   | +   | +   |    |
| $y$                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $y++$              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $y-H20\times$      |  |  |  |  |  |  |  |  |  |  | +   | +   | +   | +   | +   | +   |
|                    |  |  |  |  |  |  |  | +   | +   | +  | +   | +   | +   | +   | +   | +   |
|                    |  | +   | +   | +   | +   | +   | +   | +   | +   | +  | +   | +   | +   | +   | +   | +   |
| $y-NH3\times$      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                    |  |  |  |  |  |  |  |  |  |  |  |  |  | +   | +   | +   |

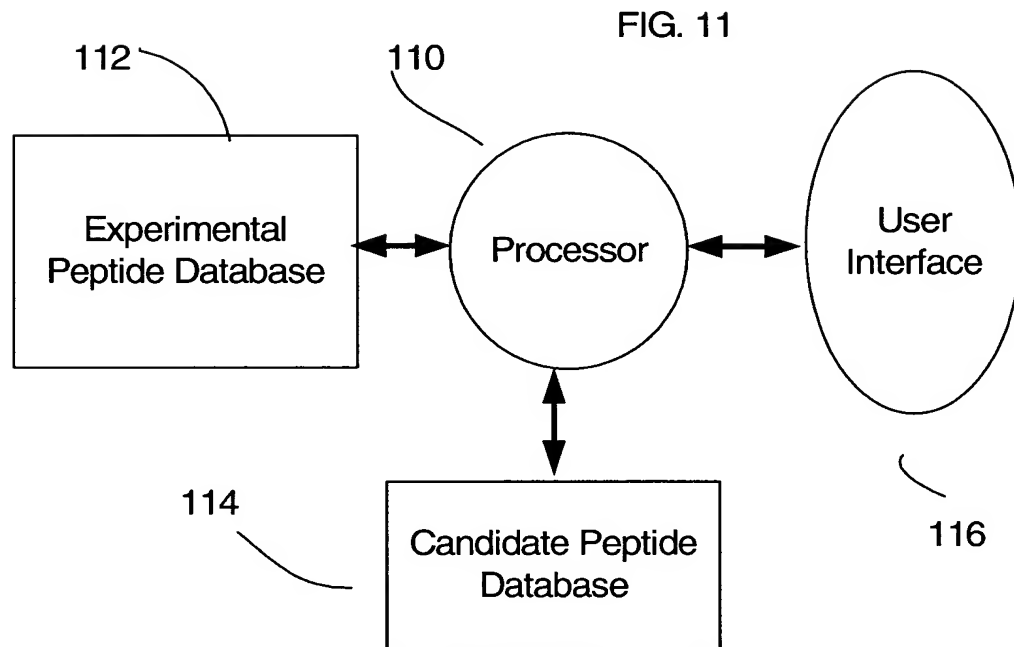
Figure 10

**"SYSTEM AND METHOD FOR SCORING PEPTIDE MATCHES"**

Applicant: Jacques COLINGE et al.

U.S. Application No: Not yet assigned.

Attorney Docket No.: 62679.000004



"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"  
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

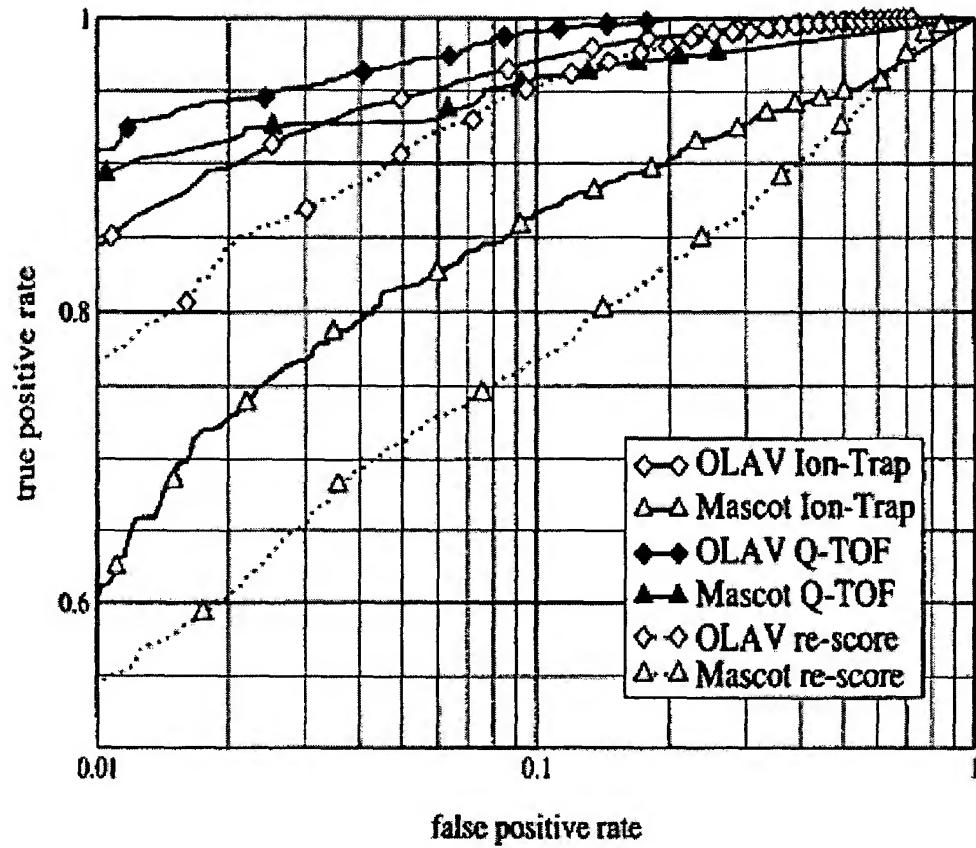


Figure 12

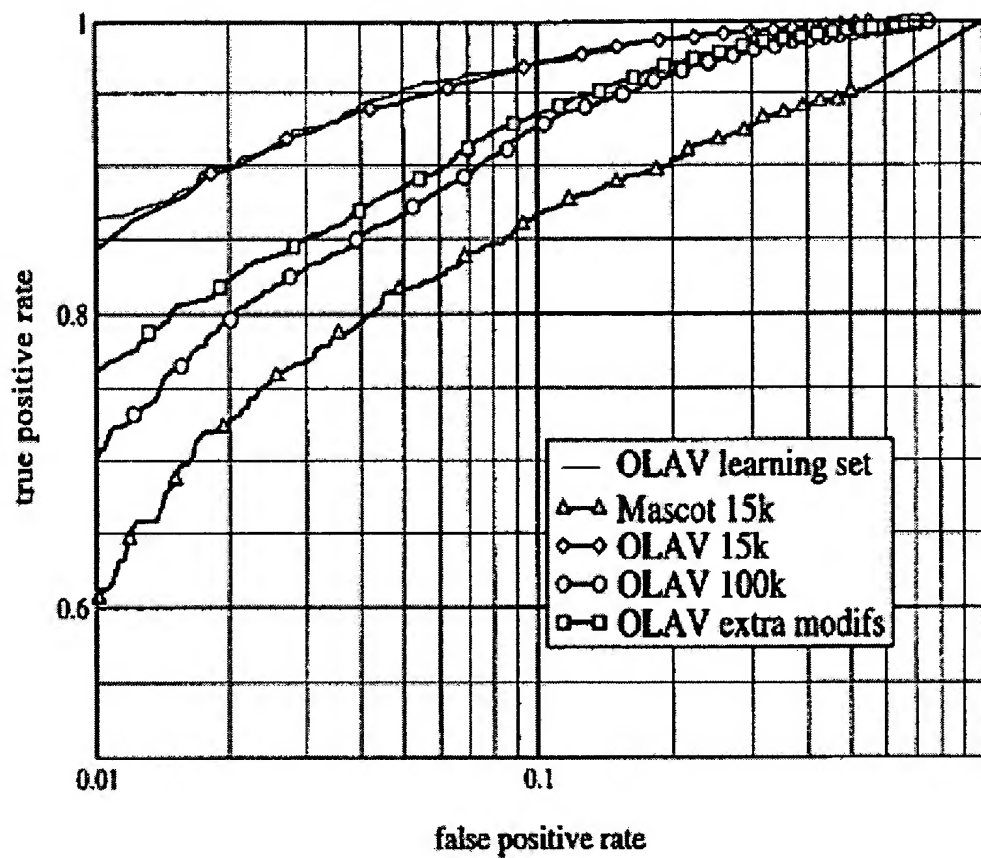


Figure 13

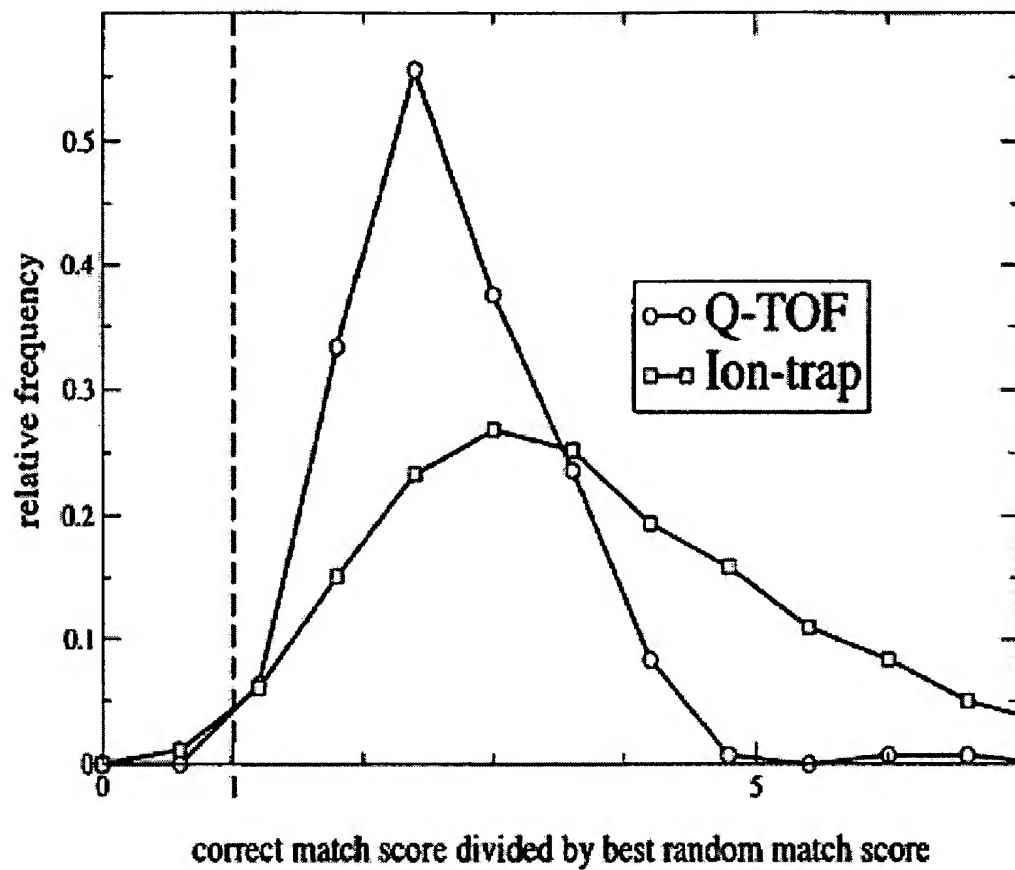


Figure 14



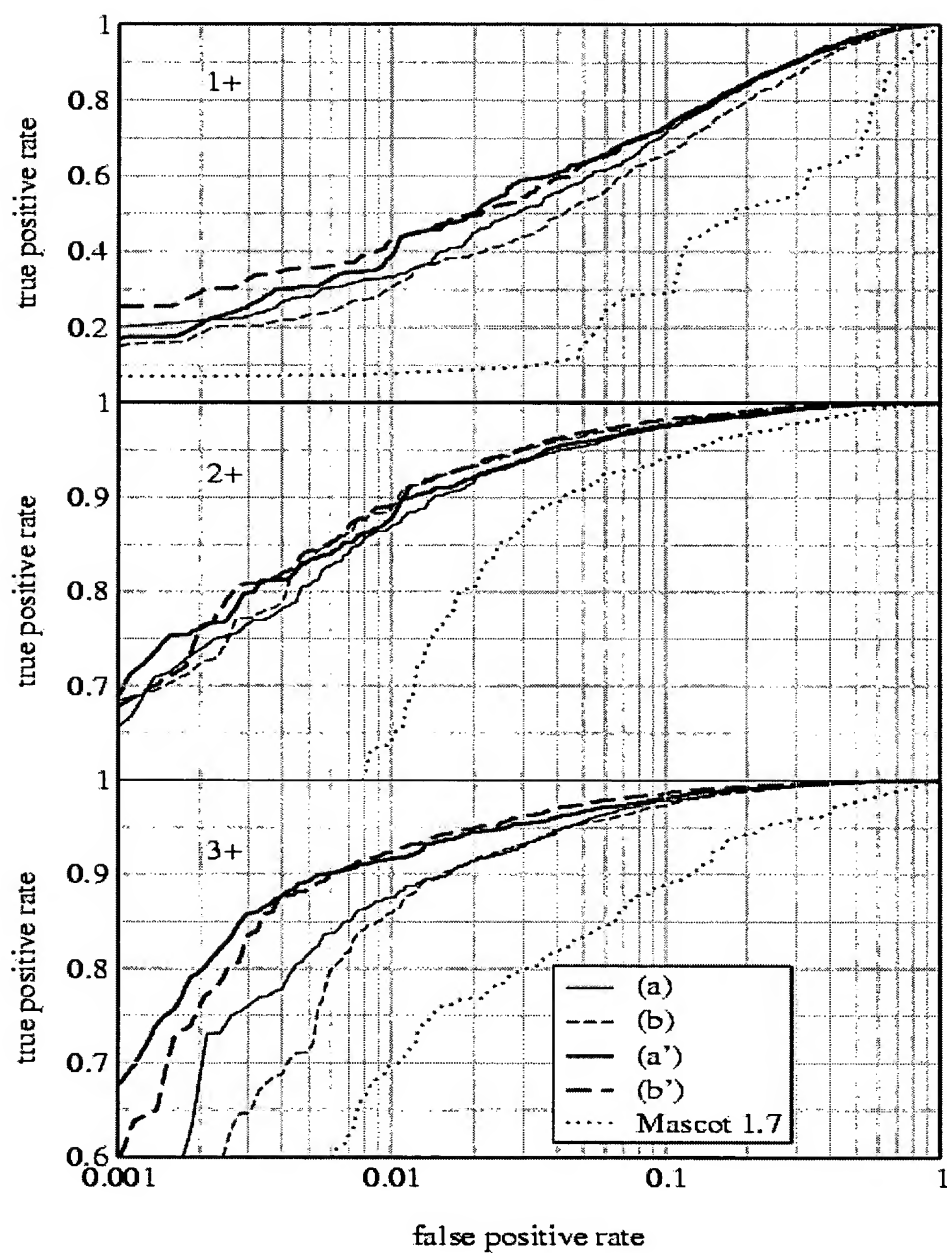


Figure 15

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"  
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

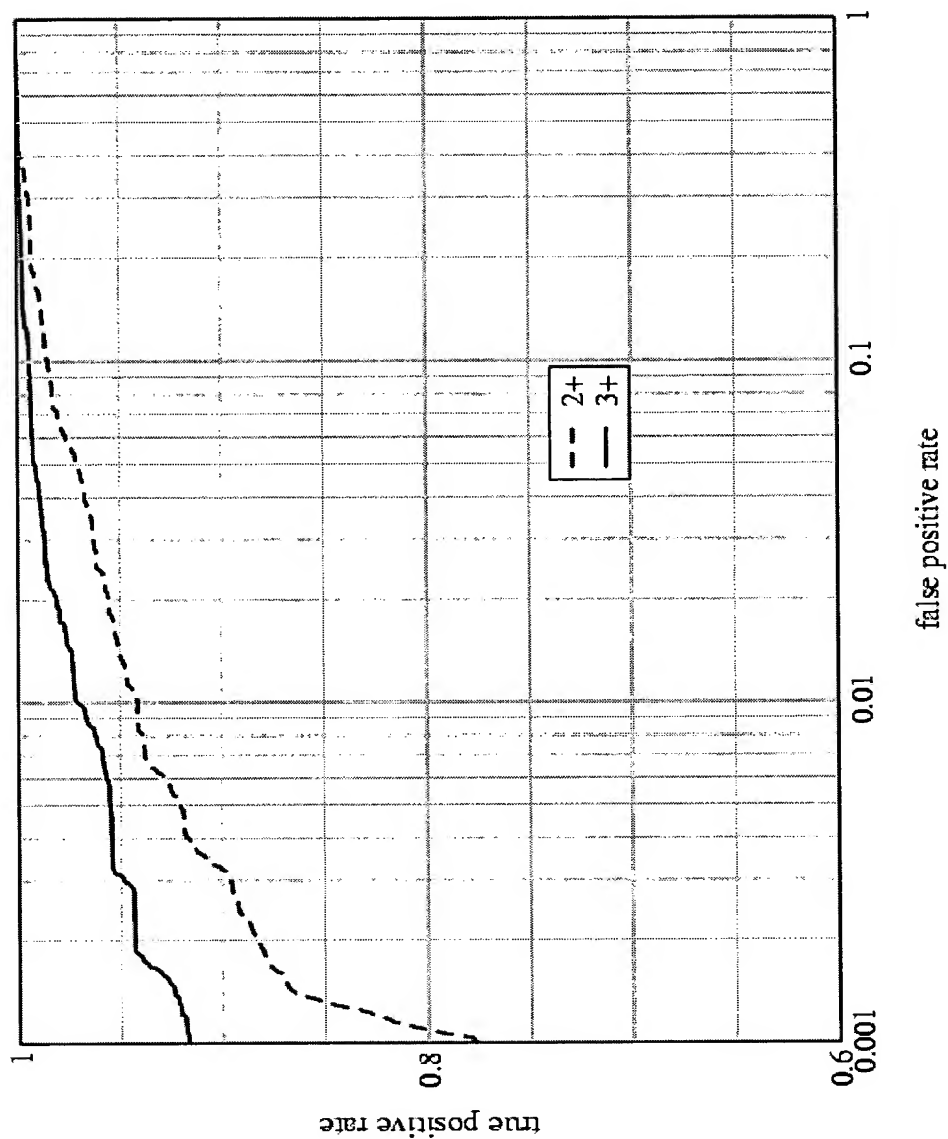


Figure 16

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"

Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

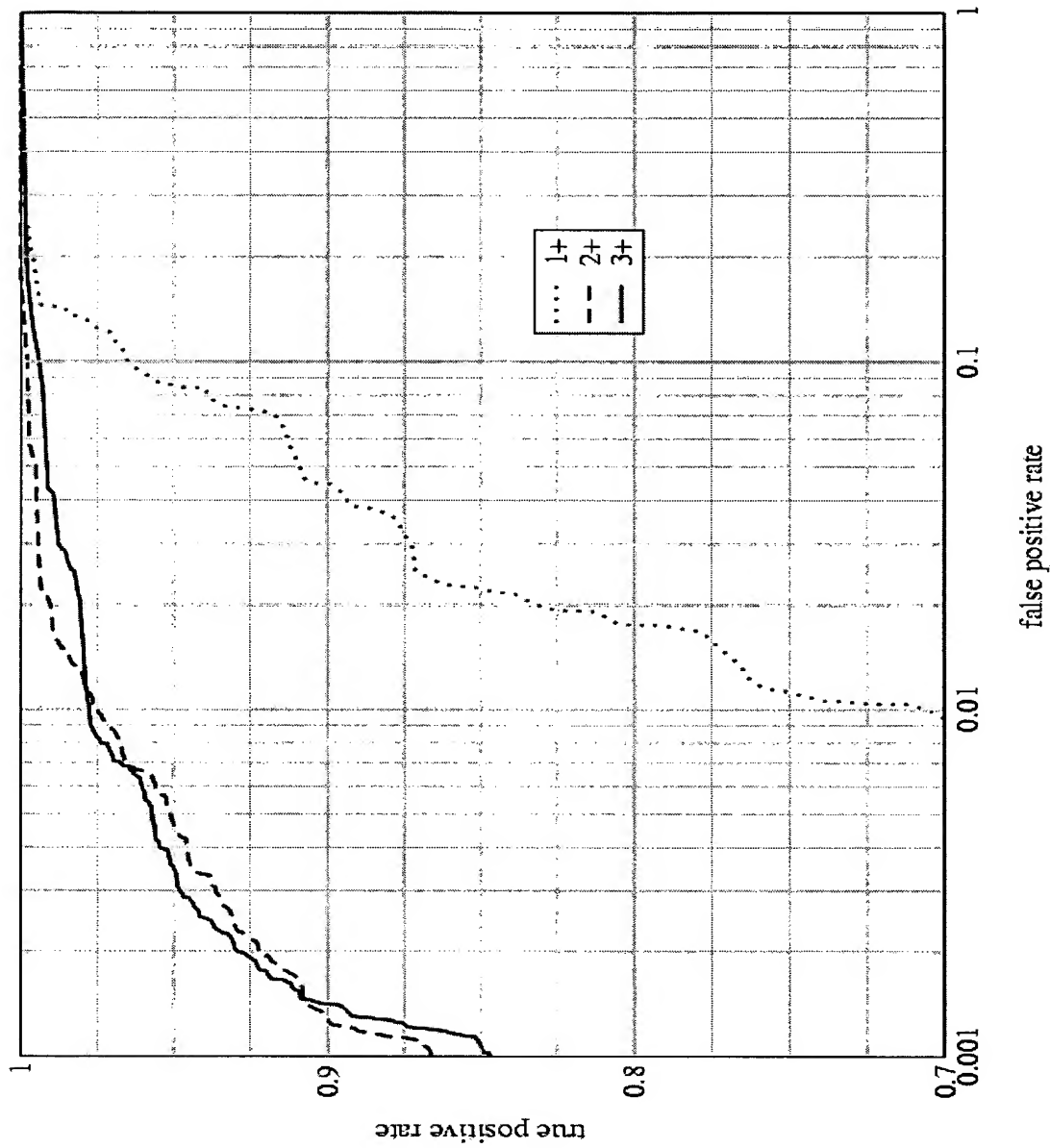


Figure 17

"SYSTEM AND METHOD FOR SCORING PEPTIDE  
MATCHES"  
Applicant: Jacques COLINGE et al.  
U.S. Application No: Not yet assigned.  
Attorney Docket No.: 62679.000004

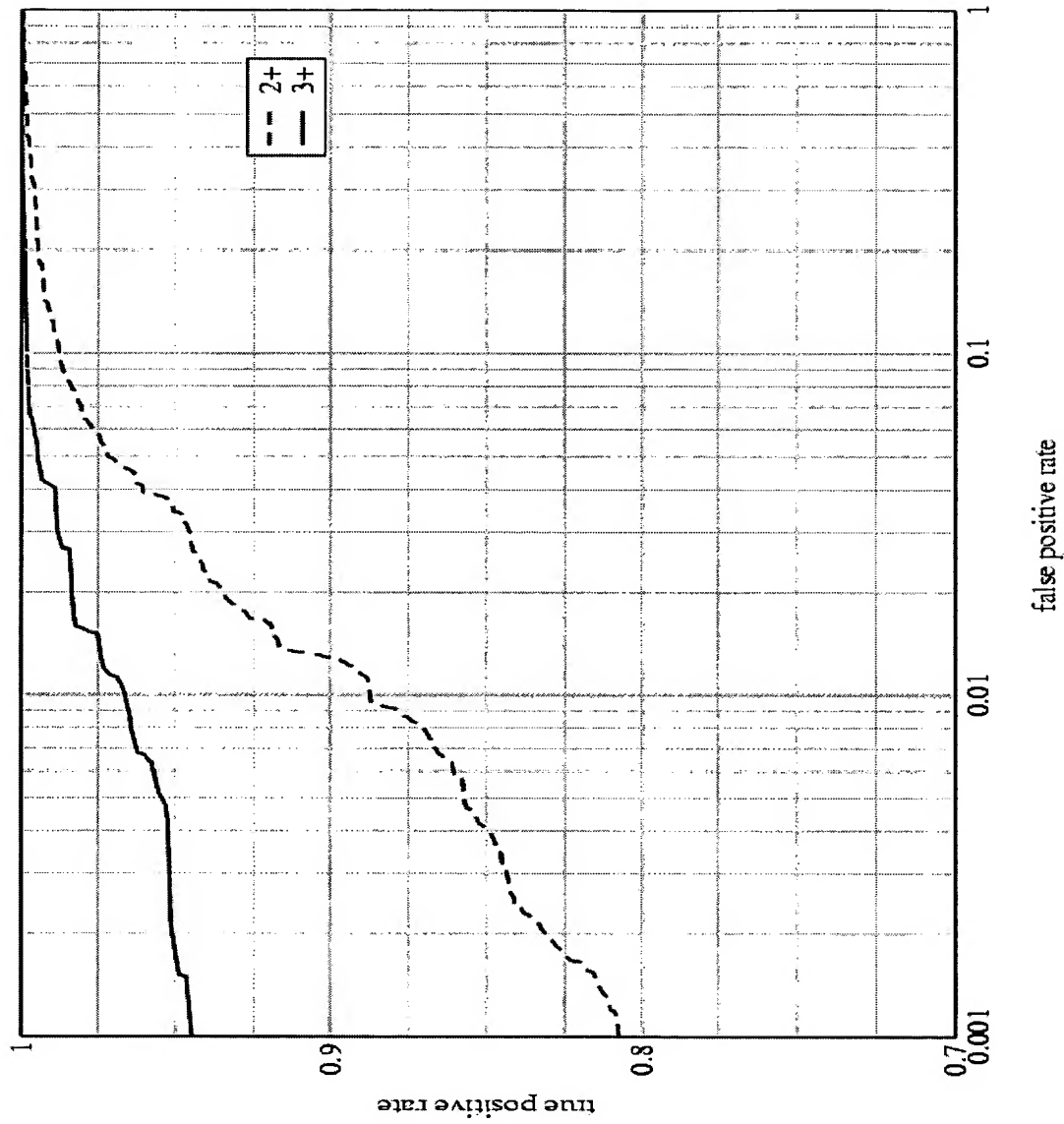


Figure 18